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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/677,024	09/30/2003	Alan R. Arthur	200311580-1	9379	
	590 03/23/200 KARD COMPANY	7 .	EXAMINER		
P O BOX 272400	0, 3404 E. HARMON	CHUO, TONY SHENG HSIANG			
· · · · ·	INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			PAPER NUMBER	
			1745		
				•	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
31 DA	YS	03/23/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No.	Applicant(s)			
Office Action Summary		10/677,024	ARTHUR ET AL.			
		Examiner	Art Unit			
		Tony Chuo	1745			
Period fe	The MAILING DATE of this communication ap	ppears on the cover sheet w	ith the correspondence address			
	IORTENED STATUTORY PERIOD FOR REP	IVIS SET TO EXPIRE 1 M	IONTH(S) OR THIRTY (30) DAYS			
WHIC - Exte afte - If NC - Failt Any	CHEVER IS LONGER, FROM THE MAILING I ensions of time may be available under the provisions of 37 CFR 1 r SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory perioure to reply within the set or extended period for reply will, by staturely received by the Office later than three months after the mail ned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI .136(a). In no event, however, may a d will apply and will expire SIX (6) MON te, cause the application to become Al	CATION. reply be timely filed  ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status						
1)	Responsive to communication(s) filed on 10.	January 2007.				
2a) This action is <b>FINAL</b> . 2b) This action is non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.E	). 11, 453 O.G. 213.			
Disposit	tion of Claims					
4)🖂	Claim(s) 1-47 is/are pending in the application	n.				
	4a) Of the above claim(s) is/are withdr	awn from consideration.	·			
·	Claim(s) is/are allowed.					
• —	Claim(s) is/are rejected.					
•	Claim(s) is/are objected to.	r election requirement				
8)[4]	Claim(s) <u>1-47</u> are subject to restriction and/o	r election requirement.				
Applicat	tion Papers					
,—	The specification is objected to by the Examir					
10)	The drawing(s) filed on is/are: a) ac					
	Applicant may not request that any objection to the					
11)	Replacement drawing sheet(s) including the correl The oath or declaration is objected to by the I			).		
,						
•	under 35 U.S.C. § 119	:	C 440(a) (d) an (D			
•	Acknowledgment is made of a claim for foreig 	gn priority under 35 U.S.C.	3 119(a)-(d) or (l).			
a,	1. Certified copies of the priority docume	nts have been received				
	2. Certified copies of the priority docume		Application No.			
	3. Copies of the certified copies of the pr					
	application from the International Bure					
*	See the attached detailed Office action for a list	st of the certified copies no	received.			
Attachme	nt(s)	_				
	ice of References Cited (PTO-892)		Summary (PTO-413) (s)/Mail Date			
	ice of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO/SB/08)	5) Notice of	Informal Patent Application			
	er No(s)/Mail Date	6) 🔲 Other:	·			

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## **DETAILED ACTION**

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-31, drawn to a method of forming an interface, classified in class
   429, subclass 13.
- II. Claim 32-45, drawn to a fuel cell system, classified in class 429, subclass 30.
- III. Claim 46, drawn to a system for forming an interface, classified in class403, subclass 52.
- IV. Claim 47, drawn to an interface, classified in class 403, subclass 30.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and IV are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, process as claimed can be used to make another and materially different product. The method of forming an interface can be used to make an interface that does not require a means for allowing slippage that comprises a shape of the shear-plane.

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Inventions II and IV are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the assembly having at least one interface does not require a means for allowing slippage that comprises a shape of the shear-plane. The subcombination has separate utility such using the interface in a ball and socket joint to allow slippage along a shear-plane between a first and second component.

The examiner has required restriction between combination and subcombination inventions. Where applicant elects a subcombination, and claims thereto are subsequently found allowable, any claim(s) depending from or otherwise requiring all the limitations of the allowable subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP § 821.04(a). Applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Inventions III and IV are related as apparatus and product made. The inventions in this relationship are distinct if either or both of the following can be shown: (1) that the apparatus as claimed is not an obvious apparatus for making the product and the

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apparatus can be used for making a materially different product or (2) that the product as claimed can be made by another and materially different apparatus (MPEP § 806.05(g)). In this case, the apparatus as claimed is not an obvious apparatus for making the product and the apparatus can be used for making a materially different product. The system for forming an interface can be used to make an interface that does not require a means for allowing slippage comprising a shape of the shear-plane.

Inventions III and II are related as apparatus and product made. The inventions in this relationship are distinct if either or both of the following can be shown: (1) that the apparatus as claimed is not an obvious apparatus for making the product and the apparatus can be used for making a materially different product or (2) that the product as claimed can be made by another and materially different apparatus (MPEP § 806.05(g)). In this case, the apparatus as claimed is not an obvious apparatus for making the product and the apparatus can be used for making a materially different product. The system of forming an interface can be used to make an interface between any two components that have different rates of volumetric expansion that do not require a fuel cell system.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required

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because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Chuo whose telephone number is (571) 272-0717. The examiner can normally be reached on M-F, 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TC

JONATHAN CREPEAU PRIMARY EXAMINER